



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date June 13, 2019	EPA Reg No./File Symbol 61842-46	Page 1 of 32
Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA REQUIREMENTS					
830.1550	Product Identity and Composition	46583601	Tessenderlo Kerley, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	46583601	Tessenderlo Kerley, Inc.	OWN	
830.1620	Description of the Production Process				Not required ¹
830.1650	Description of the Formulation Process	46583601	Tessenderlo Kerley, Inc.	OWN	
830.1670	Discussion of Formation of Impurities	46583601	Tessenderlo Kerley, Inc.	OWN	
830.1700	Preliminary Analysis				Not required ²
830.1750	Certified Limits	46583601	Tessenderlo Kerley, Inc.	OWN	
830.1800	Enforcement Analytical Method	46826501	Tessenderlo Kerley, Inc.	OWN	
830.6302	Color	46583602	Tessenderlo Kerley, Inc.	OWN	
830.6303	Physical State	46583602	Tessenderlo Kerley, Inc.	OWN	
830.6304	Odor	46583602	Tessenderlo Kerley, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions				Not required ³
830.6314	Oxidation / Reduction: Chemical Incompatibility	46583602	Tessenderlo Kerley, Inc.	OWN	
830.6315	Flammability				Not required ⁴
830.6316	Explosibility	46583602	Tessenderlo Kerley, Inc.	OWN	
830.6317	Storage Stability	46826501	Tessenderlo Kerley, Inc.	OWN	
830.6319	Miscibility				Not required ⁵
830.6320	Corrosion Characteristics	46826501	Tessenderlo Kerley, Inc.	OWN	
830.6321	Dielectric Breakdown Voltage				Not required ⁶
830.7000	pH	46583602	Tessenderlo Kerley, Inc.	OWN	
830.7050	UV / Visible Absorption				Not required ³
830.7100	Viscosity				Not required ⁷

Signature 	Name and Title Maryanne Geisbush Regulatory Consultant	Date 6/13/2019
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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7200	Melting Point / Melting Range				Not required ³
830.7220	Boiling Point / Boiling Range				Not required ³
830.7300	Density / Relative Density / Bulk Density	46583602	Tessenderlo Kerley, Inc.	OWN	
830.7370	Dissociation Constants in Water				Not required ³
830.7520	Particle Size, Fiber Length, and Diameter Distribution				Not required ⁸
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Not required ³
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method				Not required ³
830.7860	Water Solubility: Generator Column Method				Not required ³
830.7950	Vapor Pressure				Not required ³
870.1100	Acute Oral Toxicity – rat	41235004	Tessenderlo Kerley, Inc.	OWN	
870.1200	Acute Dermal Toxicity – rat	00104974	Tessenderlo Kerley, Inc.	OWN	
870.1300	Acute Inhalation Toxicity – rat	00104975	Tessenderlo Kerley, Inc.	OWN	
870.2400	Eye Irritation	00106003	Tessenderlo Kerley, Inc.	OWN	
870.2500	Skin Irritation	00106004	Tessenderlo Kerley, Inc.	OWN	
870.2600	Skin Sensitization	41235005	Tessenderlo Kerley, Inc.	OWN	
GENERIC DATA REQUIREMENTS					
850.2100	Acute Avian Oral Toxicity	00073988 48201201 48718401	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN	SEE ENDNOTE ⁹

Signature

Name and Title

Maryanne Geisbush
Regulatory Consultant

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2200	Acute Avian Dietary Toxicity	00072663 00078029 00104981 00107878	Tessenderlo Kerley, Inc. Bayer Environmental Science Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN PL OWN OWN	
850.2400	Wild Mammal Toxicity				NOT REQUIRED
850.2300	Avian Reproductive Toxicity	41764901 41764902 41938001 47311704 50308302	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN	
850.2500	Simulated or Actual Field Testing				NOT REQUIRED
850.1075	Freshwater Fish Toxicity				NOT REQUIRED
850.1010	Freshwater Invertebrate Toxicity	00116269 42046003	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	00047164 00076959 00104980 41418802 42217201 41418801 41418803 42046002	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN OWN OWN OWN	

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42046001	Tessenderlo Kerley, Inc.	OWN	
850.1300	Daphnid Chronic Toxicity Test	41406002	Tessenderlo Kerley, Inc.	OWN	
		46996702	Tessenderlo Kerley, Inc.	OWN	
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	42500601	Tessenderlo Kerley, Inc.	OWN	
850.1400	Fish Early Life Stage (Freshwater)	41406001	Tessenderlo Kerley, Inc.	OWN	
		42312901	Tessenderlo Kerley, Inc.	OWN	
850.1400	Fish Early Life Stage (Saltwater)	41406001	Tessenderlo Kerley, Inc.	OWN	SEE ENDNOTE ¹⁰
850.1500	Life Cycle Fish				NOT REQUIRED
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	00064265	Tessenderlo Kerley, Inc.	OWN	
		141632	Tessenderlo Kerley, Inc.	OWN	
		141633	Tessenderlo Kerley, Inc.	OWN	
		141636	Tessenderlo Kerley, Inc.	OWN	
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				NOT REQUIRED
850.1735	Whole Sediment: Acute Freshwater Invertebrates				NOT REQUIRED
850.1740	Whole Sediment: Acute Marine Invertebrates				NOT REQUIRED
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine				NOT REQUIRED
850.3020	Honey Bee Acute Contact Toxicity	41216502	Tessenderlo Kerley, Inc.	OWN	
SS-1108	Honey Bee Acute Oral Toxicity	50531301	Tessenderlo Kerley, Inc.	OWN	

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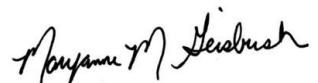


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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
SS-1253	Honey Bee Larval Chronic Oral Toxicity			GAP	SEE ENDNOTE ¹¹
SS-1254	Honey Bee Adult Chronic Oral Toxicity			GAP	SEE ENDNOTE ¹²
SS-1255	Honey Bee Larval Acute Toxicity			GAP	SEE ENDNOTE ¹³
SS-1155	Pollinator Pollen and Nectar Residue Studies				RESERVED ¹⁴
SS-1315	Semi-Field Testing for Pollinators				RESERVED ¹⁵
850.3030	Honeybee Toxicity of Residues on Foliage				NOT REQUIRED
850.3040	Field Testing for Pollinators				RESERVED ¹⁶
N/A	State and Local Data Relevant to the Assessment of Diuron and Threatened and Endangered Pacific Salmonid Populations	48296301	Tessenderlo Kerley, Inc.	OWN	
N/A	Additional Data in Support of Petition: Diuron	28072	Tessenderlo Kerley, Inc.	OWN	
N/A	Toxicological Information, Diuron--Wildfowl	17761	Tessenderlo Kerley, Inc.	OWN	
SS-1240	Leaching Study: Paint, Stain, and Coatings				NOT REQUIRED ¹⁷
870.6100	Delayed Neurotoxicity (Acute) – Hen				NOT REQUIRED
870.6200	Acute Neurotoxicity – Rat	48379701 48931901	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	SEE ENDNOTE ¹⁸
870.3100	90-Day Oral: Rodent	22036	Tessenderlo Kerley, Inc.	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		78403 00104977 47800101	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN	
870.3150	90-Day Oral: Non-Rodent	78403 00114484	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
870.3200	21/28-Day Dermal Toxicity	41309005 42718301	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
870.3250	90-Day Dermal Toxicity	00064850 46943902	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
870.3465	90-Day Inhalation Toxicity	46515301 49221101	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
870.6100	28-Day Delayed Neurotoxicity Hen				NOT REQUIRED
870.6200	90-Day Neurotoxicity				NOT REQUIRED
870.4100	Chronic Oral Rodent	42162301 46943901 40886502 91192 141620 78403 46480301	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN OWN OWN	

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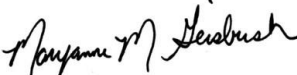
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		47804501	Tessenderlo Kerley, Inc.	OWN	
		48801301	Tessenderlo Kerley, Inc.	OWN	
		48605501	Tessenderlo Kerley, Inc.	OWN	
		49698704	Tessenderlo Kerley, Inc.	OWN	
		80899	Tessenderlo Kerley, Inc.	OWN	
870.4200	Carcinogenicity	44302001	Tessenderlo Kerley, Inc.	OWN	
		43349301	Tessenderlo Kerley, Inc.	OWN	
		40886501	Tessenderlo Kerley, Inc.	OWN	
		43871901	Tessenderlo Kerley, Inc.	OWN	
		43804501	Tessenderlo Kerley, Inc.	OWN	
		44302003	Tessenderlo Kerley, Inc.	OWN	
		42159501	Tessenderlo Kerley, Inc.	OWN	
870.4300	Combined Chronic Toxicity/Carcinogenicity	00108638	Tessenderlo Kerley, Inc.	OWN	
870.3700	Reproduction/Developmental Toxicity Screening Test	00028863	Tessenderlo Kerley, Inc.	OWN	
		40228802	Tessenderlo Kerley, Inc.	OWN	
		40228801	Tessenderlo Kerley, Inc.	OWN	
		40397501	Tessenderlo Kerley, Inc.	OWN	
870.3800	2-Generation Reproduction: Rat	00079203	Tessenderlo Kerley, Inc.	OWN	
		00108638	Tessenderlo Kerley, Inc.	OWN	
		41359301	Tessenderlo Kerley, Inc.	OWN	
		41957301	Tessenderlo Kerley, Inc.	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42066501	Tessenderlo Kerley, Inc.	OWN	
		42509301	Tessenderlo Kerley, Inc.	OWN	
		43202901	Tessenderlo Kerley, Inc.	OWN	
870.6300	Developmental Neurotoxicity Study				NOT REQUIRED
870.5100	Bacterial Reverse Mutation Test	00076956	Tessenderlo Kerley, Inc.	OWN	
		48819001	Tessenderlo Kerley, Inc.	OWN	
		40228805	Tessenderlo Kerley, Inc.	OWN	
		146608	Tessenderlo Kerley, Inc.	OWN	
870.5300, 870.5375, 870.5380	<i>In vitro</i> Mammalian Cell Assay	00130708	Tessenderlo Kerley, Inc.	OWN	
		00130709	Tessenderlo Kerley, Inc.	OWN	
		00131355	Tessenderlo Kerley, Inc.	OWN	
		146609	Tessenderlo Kerley, Inc.	OWN	
		146611	Tessenderlo Kerley, Inc.	OWN	
		40826201	E.I. DuPont de Nemours & Co., Inc.	OLD	
		44350301	Tessenderlo Kerley, Inc.	OWN	
		44005401	Tessenderlo Kerley, Inc.	OWN	
870.5385, 870.5395, 870.5450; 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	00130708	Tessenderlo Kerley, Inc.	OWN	
		00131355	Tessenderlo Kerley, Inc.	OWN	
		146610	Tessenderlo Kerley, Inc.	OWN	
		44005401	Tessenderlo Kerley, Inc.	OWN	
870.7485	Metabolism and Pharmacokinetics	78397	Tessenderlo Kerley, Inc.	OWN	

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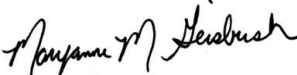
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		00109237 44019601 48125601 78398	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN	
870.7200	Companion Animal Safety				NOT REQUIRED
870.7600	Dermal Penetration	137027	Tessenderlo Kerley, Inc.	OWN	
870.7800	Immunotoxicity	48963501 48792501	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
875.1100	Dermal Exposure – Outdoor	46752801	Tessenderlo Kerley, Inc.	OWN	
875.1200	Dermal Exposure - Indoor				NOT REQUIRED
875.1300	Inhalation Exposure – Outdoor				NOT REQUIRED
875.1400	Inhalation Exposure - Indoor				NOT REQUIRED ¹⁹
875.1500	Biological Monitoring				NOT REQUIRED
875.1600	Data Reporting and Calculations				NOT REQUIRED
875.1700	Product Use Information				NOT REQUIRED

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875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues			GAP	SEE ENDNOTE ²⁰
875.2200	Soil Residue Dissipation	46752801	Tessenderlo Kerley, Inc.	OWN	
875.2400	Dermal Exposure				NOT REQUIRED
875.2500	Inhalation Exposure	46752801	Tessenderlo Kerley, Inc.	OWN	
875.2600	Biological Monitoring				NOT REQUIRED
875.2700	Product Use Information				NOT REQUIRED
875.2800	Descriptions of Human Activity				NOT REQUIRED
875.2900	Data Reporting and Calculations				NOT REQUIRED
875.3000	Nondietary Ingestion Exposure				NOT REQUIRED
201-1	Droplet Size Spectrum	41322701 43953001 44100901	Tessenderlo Kerley, Inc. Spray Drift Task Force Spray Drift Task Force	OWN OWN OWN	SEE ENDNOTE ¹⁵
202-1	Droplet Size Spectrum	41309003 41609004 42565901 42608401	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Spray Drift Task Force Spray Drift Task Force	OWN OWN OWN OWN	SEE ENDNOTE ¹⁵

Signature

Name and Title

Maryanne Geisbush
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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	
Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42907401	Spray Drift Task Force	OWN	
		43254001	Spray Drift Task Force	OWN	
		43485601	Spray Drift Task Force	OWN	
		43485602	Spray Drift Task Force	OWN	
		43485603	Spray Drift Task Force	OWN	
		43485604	Spray Drift Task Force	OWN	
		43493801	Spray Drift Task Force	OWN	
		43493802	Spray Drift Task Force	OWN	
		43508001	Spray Drift Task Force	OWN	
		43535801	Spray Drift Task Force	OWN	
		43535802	Spray Drift Task Force	OWN	
		43657601	Spray Drift Task Force	OWN	
		43657602	Spray Drift Task Force	OWN	
		43665401	Spray Drift Task Force	OWN	
		43665402	Spray Drift Task Force	OWN	
		43757801	Spray Drift Task Force	OWN	
		43757802	Spray Drift Task Force	OWN	
		43766501	Spray Drift Task Force	OWN	
		43766502	Spray Drift Task Force	OWN	
		43766503	Spray Drift Task Force	OWN	
		43766504	Spray Drift Task Force	OWN	

Signature 	Name and Title Maryanne Geisbush Regulatory Consultant	Date 6/13/2019
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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		43781101	Spray Drift Task Force	OWN	
		43803501	Spray Drift Task Force	OWN	
		43832101	Spray Drift Task Force	OWN	
		43832102	Spray Drift Task Force	OWN	
		43845501	Spray Drift Task Force	OWN	
		43845901	Spray Drift Task Force	OWN	
		43925701	Spray Drift Task Force	OWN	
		43953002	Spray Drift Task Force	OWN	
		44010201	Spray Drift Task Force	OWN	
		44070001	Spray Drift Task Force	OWN	
		44134101	Spray Drift Task Force	OWN	
		44178701	Spray Drift Task Force	OWN	
		44310401	Spray Drift Task Force	OWN	
		44640801	Spray Drift Task Force	OWN	
		44640901	Spray Drift Task Force	OWN	
		44641001	Spray Drift Task Force	OWN	
		44696901	Spray Drift Task Force	OWN	
		44747401	Spray Drift Task Force	OWN	
		44763001	Spray Drift Task Force	OWN	
		44878601	Spray Drift Task Force	OWN	
		44908901	Spray Drift Task Force	OWN	

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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		46274901	Spray Drift Task Force	OWN	
890.1100	Amphibian Metamorphosis (Rat)				NOT REQUIRED
890.1150	Androgen Receptor Binding (Rat Prostate)				NOT REQUIRED
890.1200	Aromatase (Human Recombinant)				NOT REQUIRED
890.1250	Estrogen Receptor Binding				NOT REQUIRED
890.1300	Estrogen Receptor Transcriptional Activation Assay				NOT REQUIRED
890.1350	Fish Short-Term Reproduction				NOT REQUIRED
890.1400	Hershberger (Rat)				NOT REQUIRED
890.1450	Female Pubertal (Rat)				NOT REQUIRED
890.1500	Male Pubertal (Rat)				NOT REQUIRED
890.1550	Steroidogenesis				NOT REQUIRED
890.1600	Uterotrophic (Rat)				NOT REQUIRED
850.4100	Tier 1: Seedling Emergence	43162501	Tessenderlo Kerley, Inc.	OWN	

Signature

Name and Title

Maryanne Geisbush
Regulatory Consultant

Date

6/13/2019



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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		50667001	Tessenderlo Kerley, Inc.	OWN	
850.4150	Tier 1: Vegetative Vigor	43370501	Tessenderlo Kerley, Inc.	OWN	
		43605001	Tessenderlo Kerley, Inc.	OWN	
		50667002	Tessenderlo Kerley, Inc.	OWN	
850.4400, 850.5400	Tier 1: Aquatic Plant Growth	41287001	Tessenderlo Kerley, Inc.	OWN	
		46996701	Tessenderlo Kerley, Inc.	OWN	
850.4100	Tier 2: Seedling Emergence	43162501	Tessenderlo Kerley, Inc.	OWN	
		50667001	Tessenderlo Kerley, Inc.	OWN	
850.4150	Tier 2: Vegetative Vigor	43370501	Tessenderlo Kerley, Inc.	OWN	
		43605001	Tessenderlo Kerley, Inc.	OWN	
		50667002	Tessenderlo Kerley, Inc.	OWN	
850.4400, 850.5400	Tier 2: Aquatic Plant Growth	41287001	Tessenderlo Kerley, Inc.	OWN	
850.4230	Early Seedling Growth Toxicity Test	42398501	Tessenderlo Kerley, Inc.	OWN	
		44113401	Tessenderlo Kerley, Inc.	OWN	
850.4300	Terrestrial Field	41216501	Tessenderlo Kerley, Inc.	OWN	
850.4450	Aquatic Field				NOT REQUIRED
850.4025	Target Area Phytotoxicity				NOT REQUIRED
850.4500	Algal Toxicity	41287001	Tessenderlo Kerley, Inc.	OWN	SEE ENDNOTE ²¹
		41287002	Tessenderlo Kerley, Inc.	OWN	
		43225101	Tessenderlo Kerley, Inc.	OWN	

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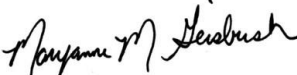
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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		43225102	Tessenderlo Kerley, Inc.	OWN	
		43400401	Tessenderlo Kerley, Inc.	OWN	
		43302701	Tessenderlo Kerley, Inc.	OWN	
		47936501	Tessenderlo Kerley, Inc.	OWN	
		47936502	Tessenderlo Kerley, Inc.	OWN	
		47946501	Tessenderlo Kerley, Inc.	OWN	
		47936503	Tessenderlo Kerley, Inc.	OWN	
		42218401	Tessenderlo Kerley, Inc.	OWN	
		43259501	Tessenderlo Kerley, Inc.	OWN	
		50595802	Tessenderlo Kerley, Inc.	OWN	
		50667003	Tessenderlo Kerley, Inc.	OWN	
850.4550	Cyanobacteria Toxicity	50595801	Tessenderlo Kerley, Inc.	OWN	
835.2120	Hydrolysis	41587301	Tessenderlo Kerley, Inc.	OWN	
		41418804	Tessenderlo Kerley, Inc.	OWN	
		141635	Tessenderlo Kerley, Inc.	OWN	
835.2130	Hydrolysis as a Function of pH and Temperature	46996704	Tessenderlo Kerley, Inc.	OWN	
835.2240	Photodegradation in Water	41300801	Tessenderlo Kerley, Inc.	OWN	
		41418805	Tessenderlo Kerley, Inc.	OWN	
835.2410	Photodegradation in Soil	00064260	Tessenderlo Kerley, Inc.	OWN	
		41300802	Tessenderlo Kerley, Inc.	OWN	

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		41719302	Tessenderlo Kerley, Inc.	OWN	
835.2370	Photodegradation in Air				NOT REQUIRED
835.4100	Aerobic Soil Metabolism	47311703 41719303 48898001 44196301 41807401 42635001	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN OWN	
835.4200	Anaerobic Soil Metabolism	105963 41418806 48898002 48898003	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN	
835.4300	Aerobic Aquatic Metabolism	41811801 42260501 44221002 105962 49109902	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN	
835.4400	Anaerobic Aquatic Metabolism	41807402 42657301 42661901 44221001	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN	

Signature

Name and Title

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Regulatory Consultant

Date

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		47311701	Tessenderlo Kerley, Inc.	OWN	
		47311702	Tessenderlo Kerley, Inc.	OWN	
		141644	Tessenderlo Kerley, Inc.	OWN	
		49109901	Tessenderlo Kerley, Inc.	OWN	
835.1230	Leaching/Adsorption/Desorption	00064262	Tessenderlo Kerley, Inc.	OWN	
		41528101	Tessenderlo Kerley, Inc.	OWN	
		41719304	Tessenderlo Kerley, Inc.	OWN	
		43621501	Tessenderlo Kerley, Inc.	OWN	
		44490501	Tessenderlo Kerley, Inc.	OWN	
835.1410	Volatility – Laboratory				NOT REQUIRED
835.8100	Volatility – Field				NOT REQUIRED
835.6100	Soil Field Dissipation Study	43872001	Tessenderlo Kerley, Inc.	OWN	
		141639	Tessenderlo Kerley, Inc.	OWN	
		114662	IR-4 Project	PL	
		114669	IR-4 Project	PL	
		78392	Tessenderlo Kerley, Inc.	OWN	
		28063	Tessenderlo Kerley, Inc.	OWN	
		41719305	Tessenderlo Kerley, Inc.	OWN	
		141638	Tessenderlo Kerley, Inc.	OWN	
		126339	Tessenderlo Kerley, Inc.	OWN	

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		45132801	Tessenderlo Kerley, Inc.	OWN	
		44060101	Tessenderlo Kerley, Inc.	OWN	
		44082801	Tessenderlo Kerley, Inc.	OWN	
		44106601	Tessenderlo Kerley, Inc.	OWN	
		44194001	Tessenderlo Kerley, Inc.	OWN	
		44310901	Tessenderlo Kerley, Inc.	OWN	
		44389001	Tessenderlo Kerley, Inc.	OWN	
		44442801	Tessenderlo Kerley, Inc.	OWN	
835.6200	Aquatic Sediment Field Dissipation Study	141647	Tessenderlo Kerley, Inc.	OWN	
		141648	Tessenderlo Kerley, Inc.	OWN	
		43762901	Tessenderlo Kerley, Inc.	OWN	
		43978901	Tessenderlo Kerley, Inc.	OWN	
835.6300	Forest Field Dissipation Study				NOT REQUIRED
835.6400	Combination and Tank Mixes				NOT REQUIRED
835.7100	Ground Water Monitoring	45132801	Tessenderlo Kerley, Inc.	OWN	
N/A	Environmental and Toxicological Summaries with Diuron	143519	Tessenderlo Kerley, Inc.	OWN	
850.6100	Environmental Chemistry Methods	47033303	Tessenderlo Kerley, Inc.	OWN	SEE ENDNOTE ²²
		47033302	Tessenderlo Kerley, Inc.	OWN	
		47033301	Tessenderlo Kerley, Inc.	OWN	
		18295	Tessenderlo Kerley, Inc.	OWN	

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		78401 50595803	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN GAP	
860.1300	Nature of the Residue: Plants	00078047 00104846 43320501 43305501 43462901 44069602 44069601	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN OWN OWN	
860.1300	Nature of the Residue: Livestock	00038869 41524801 42187901 42219301 42248901 42690601 43403601 43827201 43402301 141624	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN	
860.1850	Confined Rotational Crops	41464801	Tessenderlo Kerley, Inc.	OWN	

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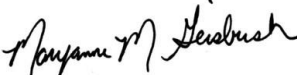
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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	43892401	Tessenderlo Kerley, Inc.	OWN	
		41008401	Tessenderlo Kerley, Inc.	OWN	
		42824001	Tessenderlo Kerley, Inc.	OWN	
		18295	Tessenderlo Kerley, Inc.	OWN	
		78401	Tessenderlo Kerley, Inc.	OWN	
		46996705	Tessenderlo Kerley, Inc.	OWN	
		43827301	Tessenderlo Kerley, Inc.	OWN	
		43896301	Tessenderlo Kerley, Inc.	OWN	
		44067302	Tessenderlo Kerley, Inc.	OWN	
		44067301	Tessenderlo Kerley, Inc.	OWN	
		17747	Tessenderlo Kerley, Inc.	OWN	
		50308302	Tessenderlo Kerley, Inc.	OWN	
		42987201	Tessenderlo Kerley, Inc.	OWN	
		43025401	Tessenderlo Kerley, Inc.	OWN	
		00038868	Tessenderlo Kerley, Inc.	OWN	
		41572101	Tessenderlo Kerley, Inc.	OWN	
		43074201	Tessenderlo Kerley, Inc.	OWN	
		43488901	Tessenderlo Kerley, Inc.	OWN	
860.1360	Multiresidue Method	45132802	Tessenderlo Kerley, Inc.	OWN	
		45132803	Tessenderlo Kerley, Inc.	OWN	
860.1360	Multiresidue Method	46996703	Tessenderlo Kerley, Inc.	OWN	

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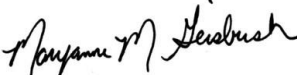
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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Storage Stability	41572106	Tessenderlo Kerley, Inc.	OWN	
		44450002	IR-4 Project	PL	
		43619901	Tessenderlo Kerley, Inc.	OWN	
		43460401	Tessenderlo Kerley, Inc.	OWN	
		44222901	Tessenderlo Kerley, Inc.	OWN	
		43781401	Tessenderlo Kerley, Inc.	OWN	
		44191601	Tessenderlo Kerley, Inc.	OWN	
		42219301	Tessenderlo Kerley, Inc.	OWN	
		42248901	Tessenderlo Kerley, Inc.	OWN	
		42423001	Tessenderlo Kerley, Inc.	OWN	
		42418001	Tessenderlo Kerley, Inc.	OWN	
		42867501	Tessenderlo Kerley, Inc.	OWN	
		43524301	Tessenderlo Kerley, Inc.	OWN	
		43936501	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants	28042	Tessenderlo Kerley, Inc.	OWN	
		28115	Tessenderlo Kerley, Inc.	OWN	
		78256	Tessenderlo Kerley, Inc.	OWN	
		78259	Tessenderlo Kerley, Inc.	OWN	
		141641	Tessenderlo Kerley, Inc.	OWN	
		28485	IR-4 Project	PL	
		143520	Tessenderlo Kerley, Inc.	OWN	

Signature 	Name and Title Maryanne Geisbush Regulatory Consultant	Date 6/13/2019
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DATA MATRIX

Date June 13, 2019	EPA Reg No./File Symbol 61842-46	Page 22 of 32
Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		150370	IR-4 Project	PL	
		17749	Tessenderlo Kerley, Inc.	OWN	
		17732	Tessenderlo Kerley, Inc.	OWN	
		17751	Tessenderlo Kerley, Inc.	OWN	
		17774	Tessenderlo Kerley, Inc.	OWN	
		17871	Tessenderlo Kerley, Inc.	OWN	
		28051	Tessenderlo Kerley, Inc.	OWN	
		28055	Tessenderlo Kerley, Inc.	OWN	
		129356	Tessenderlo Kerley, Inc.	OWN	
		78402	Tessenderlo Kerley, Inc.	OWN	
		43972501	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: alfalfa	43335801	Tessenderlo Kerley, Inc.	OWN	
		43542201	Tessenderlo Kerley, Inc.	OWN	
		17927	Tessenderlo Kerley, Inc.	OWN	
		43074401	Tessenderlo Kerley, Inc.	OWN	
		43074402	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: apple	43434301	Tessenderlo Kerley, Inc.	OWN	
		43471101	Tessenderlo Kerley, Inc.	OWN	
		17879	Tessenderlo Kerley, Inc.	OWN	
		17919	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: artichoke	47311706	Tessenderlo Kerley, Inc.	OWN	

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Date June 13, 2019	EPA Reg No./File Symbol 61842-46	Page 23 of 32
Applicant's/Registrant's Name & Address Tessengerlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		17873	Tessengerlo Kerley, Inc.	OWN	
		17887	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: asparagus	44474401	IR-4 Project	PL	
		17872	Tessengerlo Kerley, Inc.	OWN	
		17886	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: Austrian field pea	47311709	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: avocado	153350	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: banana	44583001	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: barley	47597103	Tessengerlo Kerley, Inc.	OWN	
		47311708	Tessengerlo Kerley, Inc.	OWN	
		17874	Tessengerlo Kerley, Inc.	OWN	
		17888	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: Birdsfoot Trefoil	17929	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: blueberry	28157	Tessengerlo Kerley, Inc.	OWN	
		44544101	IR-4 Project	PL	
		44645301	IR-4 Project	PL	
		17877	Tessengerlo Kerley, Inc.	OWN	
		41964101	Tessengerlo Kerley, Inc.	OWN	
		41964102	Tessengerlo Kerley, Inc.	OWN	
		50108401	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: caneberry	44447601	IR-4 Project	PL	

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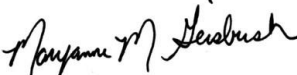
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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		44797701	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: citrus	18772	Tessenderlo Kerley, Inc.	OWN	
		20111	Tessenderlo Kerley, Inc.	OWN	
		43917101	Tessenderlo Kerley, Inc.	OWN	
		43339201	Tessenderlo Kerley, Inc.	OWN	
		43260101	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: corn	77348	Tessenderlo Kerley, Inc.	OWN	
		47597101	Tessenderlo Kerley, Inc.	OWN	
		17752	Tessenderlo Kerley, Inc.	OWN	
		17753	Tessenderlo Kerley, Inc.	OWN	
		17754	Tessenderlo Kerley, Inc.	OWN	
		17758	Tessenderlo Kerley, Inc.	OWN	
		17760	Tessenderlo Kerley, Inc.	OWN	
		17930	Tessenderlo Kerley, Inc.	OWN	
		20078	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: cotton	28117	Tessenderlo Kerley, Inc.	OWN	
		78253	Tessenderlo Kerley, Inc.	OWN	
		78255	Tessenderlo Kerley, Inc.	OWN	
		43827501	Tessenderlo Kerley, Inc.	OWN	
		45528201	Tessenderlo Kerley, Inc.	OWN	
		43525901	Tessenderlo Kerley, Inc.	OWN	

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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		17811	Tessenderlo Kerley, Inc.	OWN	
		17817	Tessenderlo Kerley, Inc.	OWN	
		43697901	Tessenderlo Kerley, Inc.	OWN	
		44085301	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: clover	44450001	IR-4 Project	PL	
		17875	Tessenderlo Kerley, Inc.	OWN	
		17889	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: filbert	47357001	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: gooseberry	17878	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: grape	43421501	Tessenderlo Kerley, Inc.	OWN	
		43619701	Tessenderlo Kerley, Inc.	OWN	
		43917801	Tessenderlo Kerley, Inc.	OWN	
		44131001	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: grass	77352	Tessenderlo Kerley, Inc.	OWN	
		78252	Tessenderlo Kerley, Inc.	OWN	
		47311707	Tessenderlo Kerley, Inc.	OWN	
		42418001	Tessenderlo Kerley, Inc.	OWN	
		42999001	Tessenderlo Kerley, Inc.	OWN	
		41898301	Tessenderlo Kerley, Inc.	OWN	
		42419101	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: macadamia nut	78247	Tessenderlo Kerley, Inc.	OWN	

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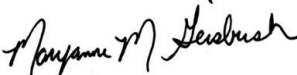
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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		17892	Tessenderlo Kerley, Inc.	OWN	
		17893	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: mint	44458501	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: oat	17881	Tessenderlo Kerley, Inc.	OWN	
		17882	Tessenderlo Kerley, Inc.	OWN	
		17883	Tessenderlo Kerley, Inc.	OWN	
		17921	Tessenderlo Kerley, Inc.	OWN	
		17922	Tessenderlo Kerley, Inc.	OWN	
		47311705	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: olive	17884	Tessenderlo Kerley, Inc.	OWN	
		17923	Tessenderlo Kerley, Inc.	OWN	
		47357002	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: papaya	17741	IR-4 Project	PL	
		17745	IR-4 Project	PL	
		78411	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: peach	78413	IR-4 Project	PL	
		78414	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: pear	47597102	Tessenderlo Kerley, Inc.	OWN	
		17880	Tessenderlo Kerley, Inc.	OWN	
		17920	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: pineapple	42798501	Tessenderlo Kerley, Inc.	OWN	

Signature 	Name and Title Maryanne Geisbush Regulatory Consultant	Date 6/13/2019
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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		43440201	Tessenderlo Kerley, Inc.	OWN	
		143520	IR-4 Project	PL	
		42535601	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: plum	151347	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: prickly pear	158393	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: rhubarb	40881701	IR-4 Project	PL	
		147015	IR-4 Project	PL	
860.1500	Magnitude of the Residue in Plants: sorghum	47597104	Tessenderlo Kerley, Inc.	OWN	
		17885	Tessenderlo Kerley, Inc.	OWN	
		17924	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: soybean	28079	Tessenderlo Kerley, Inc.	OWN	
		28083	Tessenderlo Kerley, Inc.	OWN	
		77350	Tessenderlo Kerley, Inc.	OWN	
		77351	Tessenderlo Kerley, Inc.	OWN	
		17869	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: sugar beet	17807	Tessenderlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: sugarcane	45834401	Tessenderlo Kerley, Inc.	OWN	
		43804201	Tessenderlo Kerley, Inc.	OWN	
		47149801	Tessenderlo Kerley, Inc.	OWN	
		43827401	Tessenderlo Kerley, Inc.	OWN	
		44152801	Tessenderlo Kerley, Inc.	OWN	

Signature 	Name and Title Maryanne Geisbush Regulatory Consultant	Date 6/13/2019
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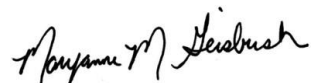
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Applicant's/Registrant's Name & Address Tessengerlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		42322701	Tessengerlo Kerley, Inc.	OWN	
860.1500	Magnitude of the Residue in Plants: wheat	45509704	Tessengerlo Kerley, Inc.	OWN	
		46155901	Tessengerlo Kerley, Inc.	OWN	
		43337301	Tessengerlo Kerley, Inc.	OWN	
		47311710	Tessengerlo Kerley, Inc.	OWN	
		17925	Tessengerlo Kerley, Inc.	OWN	
		17926	Tessengerlo Kerley, Inc.	OWN	
		42740401	Tessengerlo Kerley, Inc.	OWN	
		43086101	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed	43972501	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: apple	43471101	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	43260101	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: corn	47597101	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	45528201	Tessengerlo Kerley, Inc.	OWN	
		43697901	Tessengerlo Kerley, Inc.	OWN	
		44085301	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: grape	43619701	Tessengerlo Kerley, Inc.	OWN	
		43917801	Tessengerlo Kerley, Inc.	OWN	
		44131001	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: olive	47357002	Tessengerlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: pineapple	42492101	Tessengerlo Kerley, Inc.	OWN	
Signature 	Name and Title Maryanne Geisbush Regulatory Consultant			Date 6/13/2019	



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Applicant's/Registrant's Name & Address Tessenderlo Kerley, Inc. 2255 N. 44 th Street, Suite 300 Phoenix, AZ 85060	Product Velpar AlfaMax Gold	

Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: sorghum	47597104	Tessenderlo Kerley, Inc.	OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: sugarcane	43827401 44152801 42276001 42417901	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN	
860.1520	Magnitude of the Residue in Processed Food or Feed: wheat	42740401 43086101	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	78406 82555 43931601 15877 17931 44280101 44009501 44400801 17746 15819 43703501 44259101 44259102 00028866	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN	

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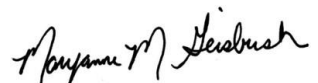


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Ingredient Diuron (CAS No.: 330-54-1; Chemical Code: 035505); Hexazinone (CAS No.: 51235-04-2; Chemical Code: 107201)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400	Nature and Magnitude of the Residue in Potable Water				NOT REQUIRED
860.1400	Magnitude of the Residue in Fish				NOT REQUIRED
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				NOT REQUIRED
860.1460	Magnitude of the Residue in Food Handling Establishments				NOT REQUIRED
860.1900	Field Rotational Crops	43932501 44485001 43899301 47127101 45084101	Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc. Tessenderlo Kerley, Inc.	OWN OWN OWN OWN OWN	
N/A	Diuron Risk Assessment: Evaluation of Dietary Exposures	44302002	Tessenderlo Kerley, Inc.	OWN	

Signature 	Name and Title Maryanne Geisbush Regulatory Consultant	Date 6/13/2019
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Data Matrix Endnotes for Velpar AlfaMax Gold

¹ **830.1620** - Per OPPTS 830.1000, these data are not required for the registration of an end-use product. See 830.1650 for formulation process information.

² **830.1700** – This product does not consist solely of the technical grade active ingredient (TGAi) and is not produced by an integrated system, therefore, per OPPTS 830.1700, these data are not required.

³ **830.6313, 830.7050, 830.7200, 830.7220, 830.7370, 830.7550, 830.7560, 830.7570, 830.7840, 830.7860 and 830.7950** – Per OPPTS 830.1000, these data are not required for the registration of an end-use product.

⁴ **830.6315** – Velpar AlfaMax Gold is a solid. Flammability is only required for liquids, therefore these data are not required.

⁵ **830.6319** – Velpar AlfaMax Gold is a solid and not an emulsifiable concentrate; therefore, these data are not required.

⁶ **830.6321** – This product is not proposed for use around electrical equipment. Therefore, these data are not applicable nor are these data required.

⁷ **830.7100** – These data are only required for liquids. Velpar AlfaMax Gold is a solid and therefore these data are not applicable.

⁸ **830.7520** - These data are not required for Velpar AlfaMax Gold because it is not water insoluble and is not a fibrous material.

⁹ **850.2100** – The Agency required the submission of these data with a passerine species in the Mar. 13, 2017 Generic Data Call-In for Diuron (GDCI-035505-1594). Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

¹⁰ **850.1400** – The Agency required the submission of these data with an estuarine species in the Mar. 13, 2017 Diuron GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

¹¹ **SS-1253** – The Agency required the submission of these data in the Mar. 13, 2017 GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

¹² **SS-1254** – The Agency required the submission of these data in the Mar. 13, 2017 GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

¹³ **SS-1255** – The Agency required the submission of these data in the Mar. 13, 2017 GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

¹⁴ **SS-1155** – The Agency required the submission of these data in the Mar. 13, 2017 GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which has requested that these data be placed in reserve pending the results of lower-tiered testing.

¹⁵ **SS-1315** – The Agency required the submission of these data in the Mar. 13, 2017 GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which has requested that these data be placed in reserve pending the results of lower-tiered testing.

¹⁶ **850.3040** – As per the Mar. 13, 2017 GDCI, the Agency noted the need for these data is determined based on the results of lower-tiered tests.

¹⁷ **SS-1240** – These data are not required to support the labeled use patterns present on TKI's label.

¹⁸ **870.6200** – The Agency required the submission of these data in the Mar. 13, 2017 Diuron GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing a waiver for these data and will submit upon completion.

¹⁹ **875.1400** – These data are not required to support the labeled use patterns present on TKI's label.

Data Matrix Endnotes for Velpar AlfaMax Gold

²⁰ **875.2100** – The Agency required the submission of these data in the Mar. 13, 2017 GDCI. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing a waiver for these data and will submit upon completion.

²¹ **850.4500** – The Agency required the submission of freshwater and marine diatom data in the Mar. 13, 2017 Diuron GDCI. These data have been submitted and are cited herein. The GDCI also requested non-vascular plant toxicity data be submitted on the most sensitive plant species using the mCPDMU and DCPMU degradates. Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

²² **850.6100** – The Agency required the submission of water and soil environmental chemistry methods for the TGAI and both degradates as well as an independent laboratory validation data for both degradates in water. The ILV degrade data have been submitted and are cited herein. For the remaining studies, Tessenderlo Kerley, Inc. is a member in good standing of the Diuron Task Force which is developing these data and will submit upon completion.

¹⁵ Tessenderlo Kerley, Inc. is an affiliate member of the Spray Drift Task Force (SDTF). A letter of authorization for reliance on SDTF data can be provided upon request.